

## APPENDIX A

1. (canceled) An interface between a preconcentrator and a piece of baggage, said interface comprising:
  - (a) a top securing member;
  - (b) a bottom securing member connected to said top securing member and forming a gap therebetween; and
  - (c) a recess having a perimetrical shape that corresponds to the perimetrical shape of the exterior of a preconcentrator, said recess comprising a vent.
2. (canceled) The interface of claim 1 further comprising two clamps, wherein each of said clamps comprises a top lip connected to said top securing member and a bottom lip connected to said bottom securing member, thereby forming a gap therebetween.
3. (canceled) The interface of claim 2 wherein the two clamps are diametrically opposed to one another.
4. (canceled) The interface of claim 2 wherein the gap between said bottom and top lips creates an opening.
5. (canceled) The interface of claim 3 wherein each of said clamps further comprises a lever connected to said top lip, thereby allowing the opening to expand and contract as said lever moves toward and away from the center of the interface, respectively.
6. (canceled) The interface of claim 1 further comprising at least one securing hole within said recess.

7. (canceled) The interface of claim 6 wherein said securing hole is complementary to an electrode of the preconcentrator.
8. (canceled) The interface of claim 1 further comprising a first locking ring.
9. (canceled) The interface of claim 8 further comprising a second locking ring opposite said first locking ring.
10. (canceled) An apparatus that serves as an interface between a preconcentrator and a zipper within a piece of baggage, wherein said zipper comprises two rows of teeth, said apparatus comprising:
  - (a) means for receiving a preconcentrator;
  - (b) means for air to travel through said receiving means;  
and
  - (c) means for gripping a portion of each row of teeth of a zipper within a piece of baggage.
11. (canceled) The apparatus of claim 10 further including means for securing at least one post of said preconcentrator to said apparatus.
12. (canceled) The apparatus of claim 10 further comprising means for securing a lock for said baggage to said apparatus.
13. (canceled) The apparatus of claim 10 wherein said gripping means comprises two clamps, wherein each of said clamps comprises:
  - (i) a bottom lip;

(ii) a top lip creating a gap between said bottom and top lips, wherein said gap comprises an opening; and

(iii) means for enlarging said opening.

14. (canceled) The interface of claim 13 wherein the two clamps are diametrically opposed to one another.

15. (canceled) An interface between a preconcentrator and a piece of baggage, said interface comprising:

(a) a recess having a perimetrical shape that corresponds to the perimetrical shape of the exterior of a preconcentrator, said recess comprising a vent; and

(b) two clamps, wherein each of said clamps comprises a bottom lip and a top lip for gripping a portion of the baggage.

16. (canceled) The interface of claim 15 wherein the two clamps are diametrically opposed to one another.

17. (canceled) The interface of claim 15 wherein the gap between said bottom and top lips creates an opening.

18. (canceled) The interface of claim 15 wherein each of said clamps further comprises a lever connected to said top lip, thereby allowing the opening to expand and contract as said lever moves toward and away from the center of the interface, respectively.

19. (canceled) The interface of claim 15 further comprising at least one securing hole within said recess.

20. (canceled) The interface of claim 19 wherein said securing hole is complementary to an electrode of the preconcentrator.
21. (canceled) The interface of claim 15 further comprising a first locking ring.
22. (canceled) The interface of claim 21 further comprising a second locking ring opposite said first locking ring.
23. (new) An interface for a piece of baggage, said interface comprising:
  - (a) a top securing member having a perimeter, said perimeter having a non-circular shape that comprises at least one abutment;
  - (b) a bottom securing member connected to said top securing member; and
  - (c) a recess within said top securing member, said recess comprising a vent.
24. (new) The interface of claim 23 wherein said non-circular shape of said perimeter of said top securing member comprises two abutments.
25. (new) The interface of claim 24 wherein said abutments are diametrically opposed.
26. (new) The interface of claim 23 wherein said bottom securing member comprises at least one wing portion.
27. (new) The interface of claim 26 wherein said bottom securing member comprises two wing portions.

28. (new) The interface of claim 23 wherein said bottom securing member comprises means for stabilizing said interface when located within a piece of baggage.
29. (new) The interface of claim 23 wherein said recess has an interior-perimetrical shape that corresponds to the exterior-perimetrical shape of a collector.
30. (new) The interface of claim 29 further comprising at least one securing hole within said recess.
31. (new) The interface of claim 23 wherein the said top securing member comprises two top-lip portions and said bottom securing member comprises two bottom-lip portions, wherein each of said top-lip portions vertically align with said bottom-lip portions.
32. (new) The interface of claim 31 wherein one set of top and bottom lip portions are diametrically opposed to another set of top and bottom lip portions.
33. (new) The interface of claim 32 further comprising a lever connected to each of said top-lip portions.
34. (new) The interface of claim 23 further comprising means for gripping a portion of a piece of baggage.
35. (new) The interface of claim 34 wherein said gripping means comprises means for gripping a row of teeth of a zipper within said baggage.
36. (new) The interface of claim 23 further comprising a locking ring connected to said top securing member.
37. (new) The interface of claim 36 further comprising a second locking ring.

38. (new) The apparatus of claim 23 further comprising means for fastening said interface to a piece of baggage.
39. (new) The interface of claim 23 further comprising means for moving a portion of said top securing member away from a portion of said bottom securing member.
40. (new) The interface of claim 39 wherein said moving means comprises at least one lever extending from said top securing member.
41. (new) The interface of claim 40 wherein said lever comprises grooves at an end opposite of that connected to said top securing member.
42. (new) The interface of claim 40 wherein said moving means comprises two levers extending from said top securing member.
43. (new) The interface of claim 42 wherein said levers are diametrically opposed from one another.
44. (new) An interface for a piece of baggage, said interface comprising:
- (a) a top securing member comprising means for allowing a slider of a zipper to abut said interface; and
  - (b) a bottom securing member connected to said top securing member; and
  - (c) a recess within said top securing member, said recess comprising a vent.
45. (new) The interface of claim 44 further comprising means for gripping a portion of a piece of baggage.

46. (new) The interface of claim 45 wherein said gripping means comprises means for gripping a row of teeth of a zipper within said baggage.
47. (new) The apparatus of claim 44 further comprising means for fastening said interface to a piece of baggage.
48. (new) The interface of claim 44 further comprising means for moving a portion of said top securing member away from a portion of said bottom securing member.
49. (new) The interface of claim 48 wherein said moving means comprises at least one lever extending from said top securing member.
50. (new) The interface of claim 49 wherein said lever comprises grooves at an end opposite of that connected to said top securing member.
51. (new) The interface of claim 49 wherein said moving means comprises two levers extending from said top securing member.
52. (new) The interface of claim 51 wherein said levers are diametrically opposed from one another.